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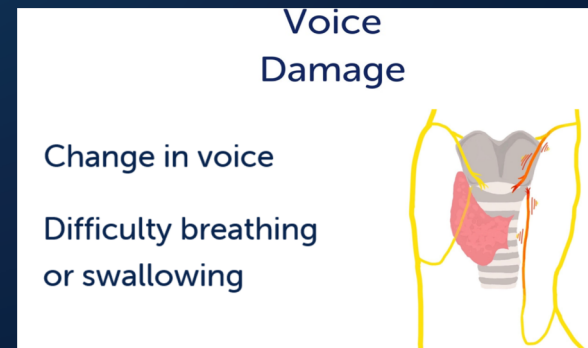
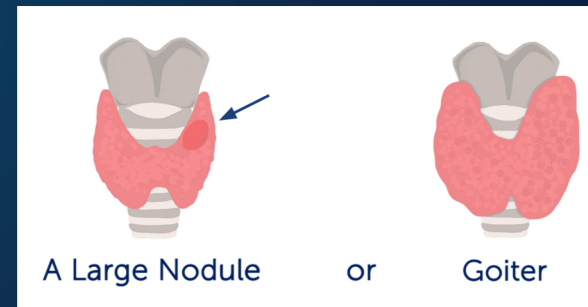
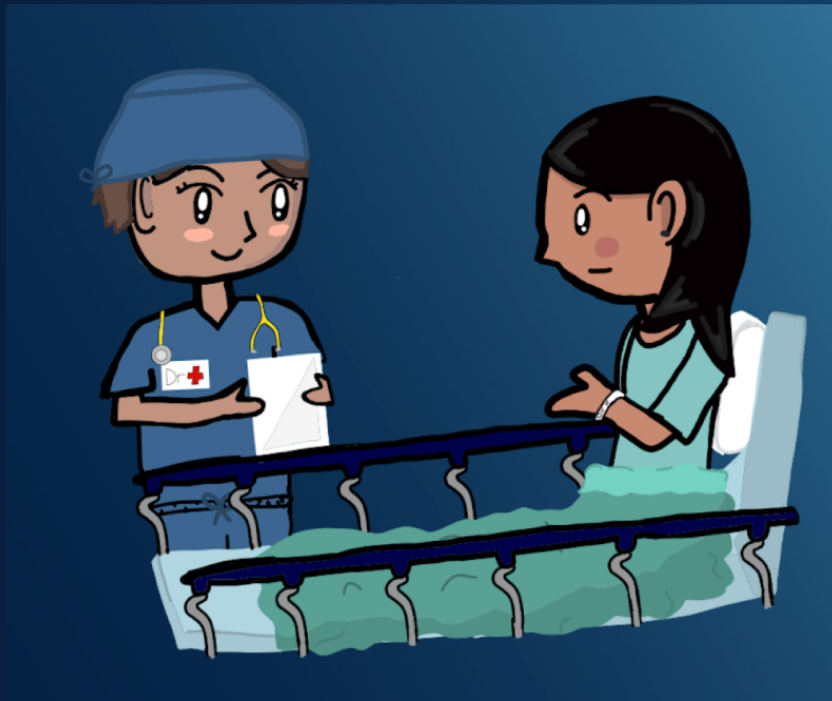
Assessing Patient Satisfaction and Confidence After Use of Educational Video to Augment Surgical Consent for Thyroid Surgery

Michelle Schafer, Katie Holland, Alexander Duffy, Raphael
Banoub, Kelly Yuan, Marisa Wu, Elizabeth Cottrill*

- The informed consent discussion represents a key moment of communication between the physician and patient
 - When time constraints in an office setting is combined with different amounts of patient health care literacy, the process can be strained
 - Multimedia has demonstrated improved patient comprehension and retention in within surgical subspecialties

Introduction

- With the Otolaryngology department of Head and Neck Surgery was the creation and administration of a unique thyroidectomy educational video
 - This was given in combination to the traditional consent process



Objectives & Hypothesis

- Research Question
 - Will the use of a multimedia in the form of a unique thyroidectomy educational video increase patient confidence with information related to thyroid surgery?
- Hypothesis
 - The use of a multimedia in the form of a unique thyroidectomy educational video will increase patient confidence with information related to thyroid surgery

Approach & Results

- Patient Educational and Satisfaction Survey Study
- Population is adult patients undergoing thyroid surgery
- The Thyroidectomy educational video outlined indications, risks, benefits, and relevant anatomy to thyroid surgery with simple illustrations, animations, and text
- Patients were offered to watch the video after traditional informed consent and completed a Likert-style survey to compare their confidence with risks, benefits, and steps related to thyroidectomy before and after watching the video

Approach & Results

- 30 subjects viewed the educational video
 - From September- December 2020
 - 76.7% were female, 26.7% were male
 - 63.3% reported an educational level of a 2-year college degree or higher
- Patients reported increased confidence in understanding risks (+1.19), benefits (+.93), and overall knowledge (+1.3) associated with thyroid surgery after watching the thyroidectomy education video ($p < 0.05$)
 - Subjects rated their overall satisfaction with the video as an average of 4.9/5, and an average of 5/5 when asked if the video was easy to understand

Conclusions

- Patients feel more confident in their understanding of thyroid surgery after viewing the thyroidectomy educational video
- Our study helps demonstrate that standardized delivery of informed consent in the form of an education video
- In addition to English, we have translated the video in Spanish and Mandarin
 - In the future could look to see if videos in native language have an impact on comprehension

Future Directions

- Sample size was only 30 patient
 - in the future our group is looking to undertake a controlled trial to formally evaluate patient comprehension of surgery-specific information after multimedia intervention
- Looking to expand the use of an educational videos to other Otolaryngology surgeries

Acknowledgements

- Thank you to the Department of Otolaryngology Head and Neck Surgery for participating in this study

Department of Otolaryngology Head and Neck Surgery



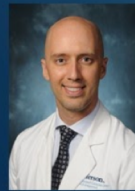
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